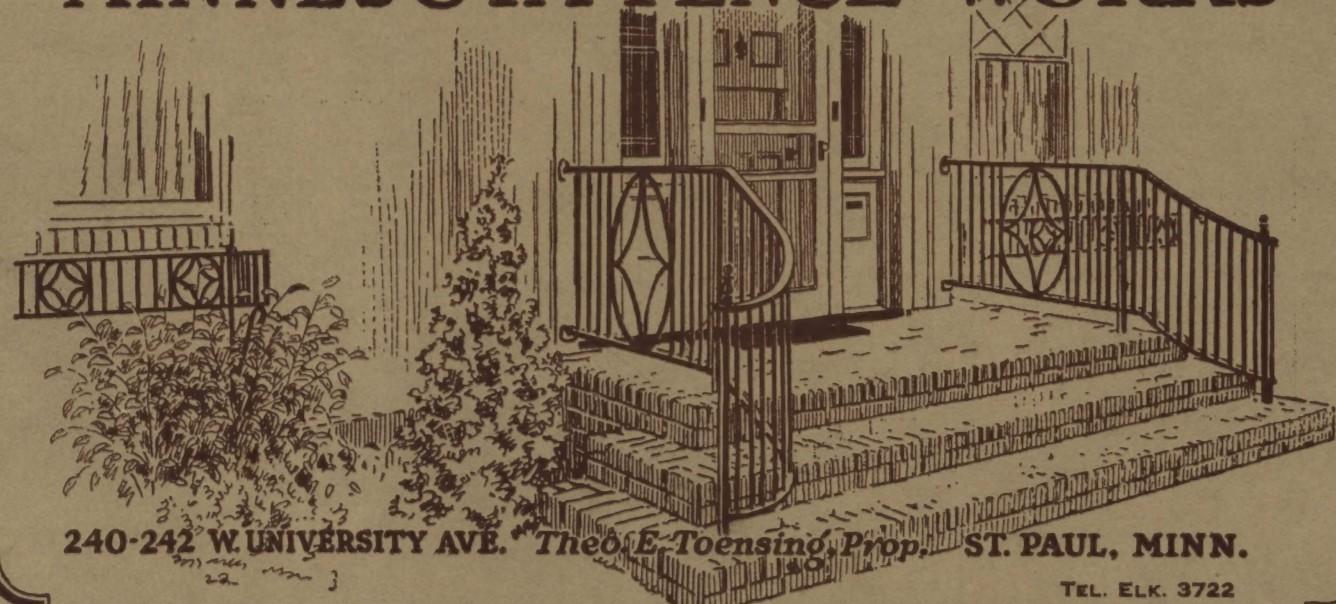


1928 CATALOGUE OF THE
MINNESOTA FENCE WORKS



240-242 W. UNIVERSITY AVE. *Theo E. Toensing, Prop.* ST. PAUL, MINN.

TEL. ELK. 3722

INTRODUCTORY

In preparing this catalogue we took into consideration the convenience of our customers. Our most earnest effort is to please.

Our shop is equipped to handle every form of wire fencing, wire cages for banks and offices, fire escapes, vault grills, fire doors, meeker doors, elevator enclosures, iron doors and gratings for sidewalks, gas pipe railings, ornamental grills and wickets for banks and offices, ornamental flower boxes and interior stair railings, swings, clothes posts and clothes racks. In fact, we handle anything in iron and wire.

This catalogue will give a general outline of what we manufacture. For any special work, you only need to submit plans, specifications or blueprints. We are always glad to quote prices.

Elkhurst 3722

THEO. E. TOENSING, Prop.

Catalogue of

MINNESOTA FENCE WORKS

Manufacturers and Erectors of

**Ornamental Iron and Wire Fencing, Iron and Wire Window
Guards, Wire Bank Cages and Tool Room Enclosures, Wire
Ventilations and Skylight Guards, Fire Doors, Fire Escapes,
Cashiers' Wickets, Ornamental Iron Vault Grills, All Kinds
of Ornamental Wrought Iron and Pipe Railings, Clothes
Posts, Racks and Swings.**

240-242 WEST UNIVERSITY AVENUE

3 Blocks West of State Capitol

ST. PAUL, MINN.

MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

BACK-YARD AND DIVISION FENCES AND CLOTHES POSTS



Fencing and Clothes Posts erected at St. Paul, Minn.

MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

NUMBER OF RODS OF FENCE REQUIRED TO FENCE FIELDS OF VARYING SIZES

1 mile or 320 rods

$\frac{1}{3}$ mile or 160 rods

$\frac{1}{3}$ mile or 160 rods

$\frac{1}{4}$ mile or 80 rods

160 ACRES

Require 2 miles or 640 rods of fence
to enclose

$\frac{1}{2}$ mile or 160 rods

$\frac{1}{2}$ mile or 160 rods

1 mile or 320 rods

100

80 ACRES

Require $1\frac{1}{2}$ miles or 840 rods of fence
to enclose

$\frac{1}{2}$ mile or 160 rods

$\frac{1}{4}$ mile or 80 rods

$\frac{1}{6}$ mile or 80 rods

20 Acres

$\frac{1}{4}$ mile or 80 rods

40 Acres

Require 1 mile or
320 rods of fence
to enclose

Require 1 mile or
320 rods of fence
to enclose

$\frac{1}{4}$ mile or 80 rods

100

40

5

1

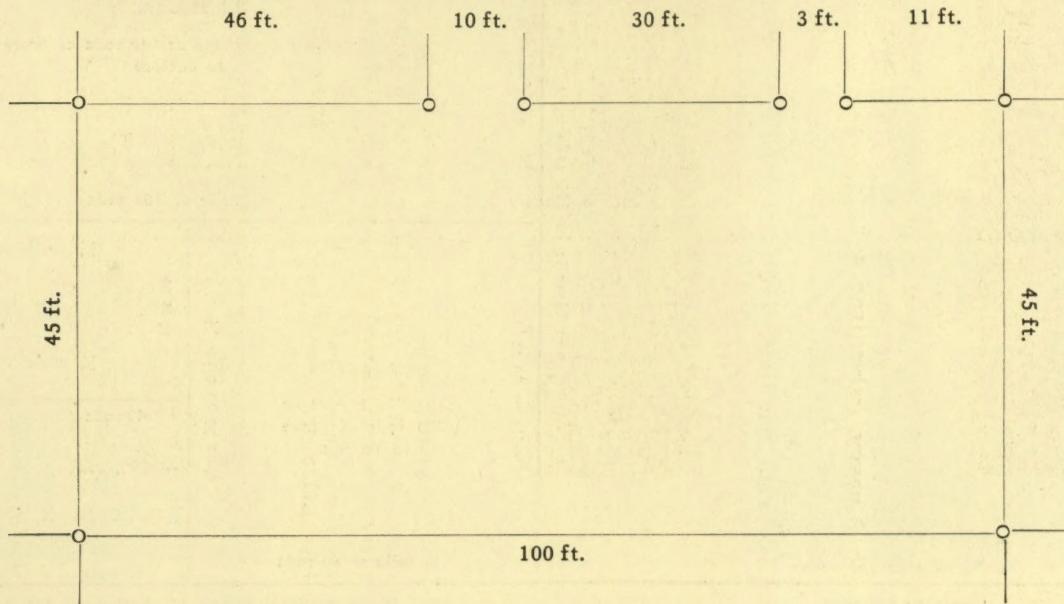
.S

40 rods	20 rods $1\frac{1}{4}$ A.
20 rods	20 rods $1\frac{1}{4}$ A.
$2\frac{1}{2}$ A.	
20 rods	20 rods $1\frac{1}{4}$ A.

Above diagram shows $\frac{1}{2}$ section or 320 acres

HOW TO MAKE DIAGRAM FOR COMPLETE FENCE

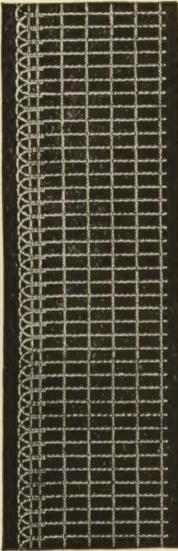
In making your diagram for Complete Fence indicate the fence by straight lines and the gates by openings. Mark an "O" at each point where you want corner, end or gate posts. Give width of gate openings, and for drive gates, state whether single or double gates are wanted. Give the exact length of each stretch of fence and total measurements, including gate openings, using care to see that all measurements are correct, as the fence will be made up according to the diagram sent us. We advise using a standard steel tape.



MOST POPULAR USED STYLES OF FENCING

MINNESOTA FENCE WORKS

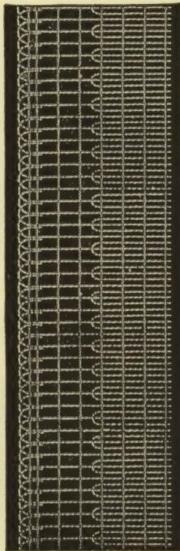
240-242 West University Avenue, St. Paul, Minn.



Style "L-X" Fabric

A high grade, yet moderately priced lawn fence. Pickets No. 9 heavy, galvanized wire, spaced $2\frac{7}{8}$ inches apart from top to bottom of fence.

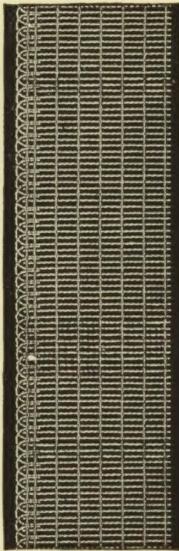
Heights, inches	36	42	48
List price, per lineal foot	\$0.16	\$0.18	\$0.20



Style "F" Fabric

Same specification as "L-X," except with lower portion of fabric spaced $1\frac{3}{8}$ inches apart. This makes it chicken tight and more ornamental than the "L-X" fabric.

Heights, inches	36	42	48	60
List price, per lineal foot	\$0.22	\$0.24	\$0.28	\$0.36



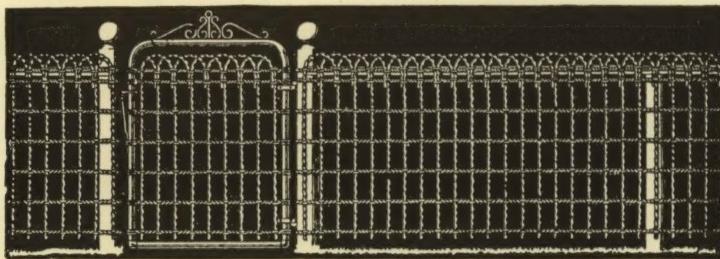
Style "S" Fabric

Same as Style "L-X," with an additional picket running through center, making space $1\frac{3}{8}$ inches throughout, making it difficult for children to climb.

Heights, inches	36	42	48	60	72
List price, per lineal foot.....	\$0.27	\$0.31	\$0.35	\$0.44	\$0.54

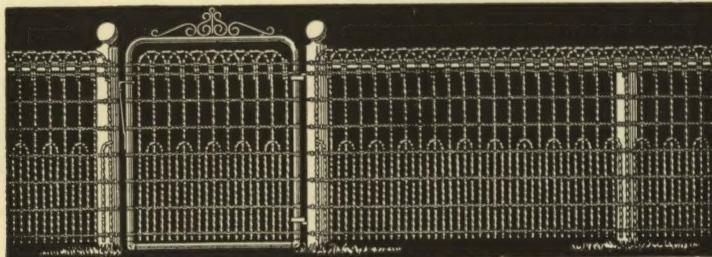
WIRE FENCING

Cut showing style "L-X" Fabric erected on Cedar Posts and Pine Railing.



Heights 36 42 48 inches

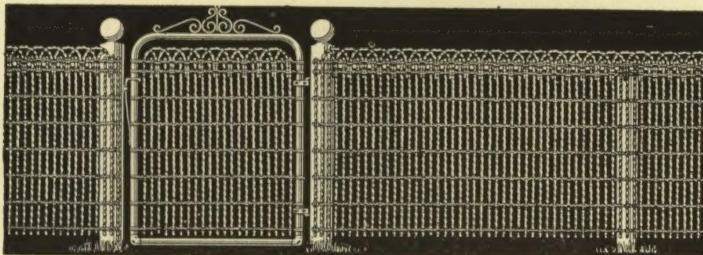
Cut showing style "F" Fabric erected on Cedar Posts and Pine Railing.



Heights 36 42 48 60 inches

WIRE FENCING

Showing Style "S" erected on plain Cedar Posts and Pine Railing.



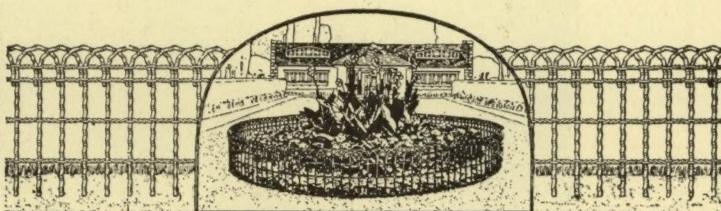
Heights 36, 42, 48, 60, 72 inches

PERFECTION FLOWER-BED BORDER

This illustration shows our 16-inch border, which is high enough to protect flower-beds in city parks, boulevards and lawns. The 28-inch flower-bed border gives an additional 6 inches in height at a slight advance in cost. The 16-inch border is very popular for homes, lawns, private grounds and gardens.

The height is measured from top of fabric to bottom of pickets. Pickets are No. 9 and cables are of No. 13 heavily galvanized wire. Put up in 10- and 20-rod rolls.

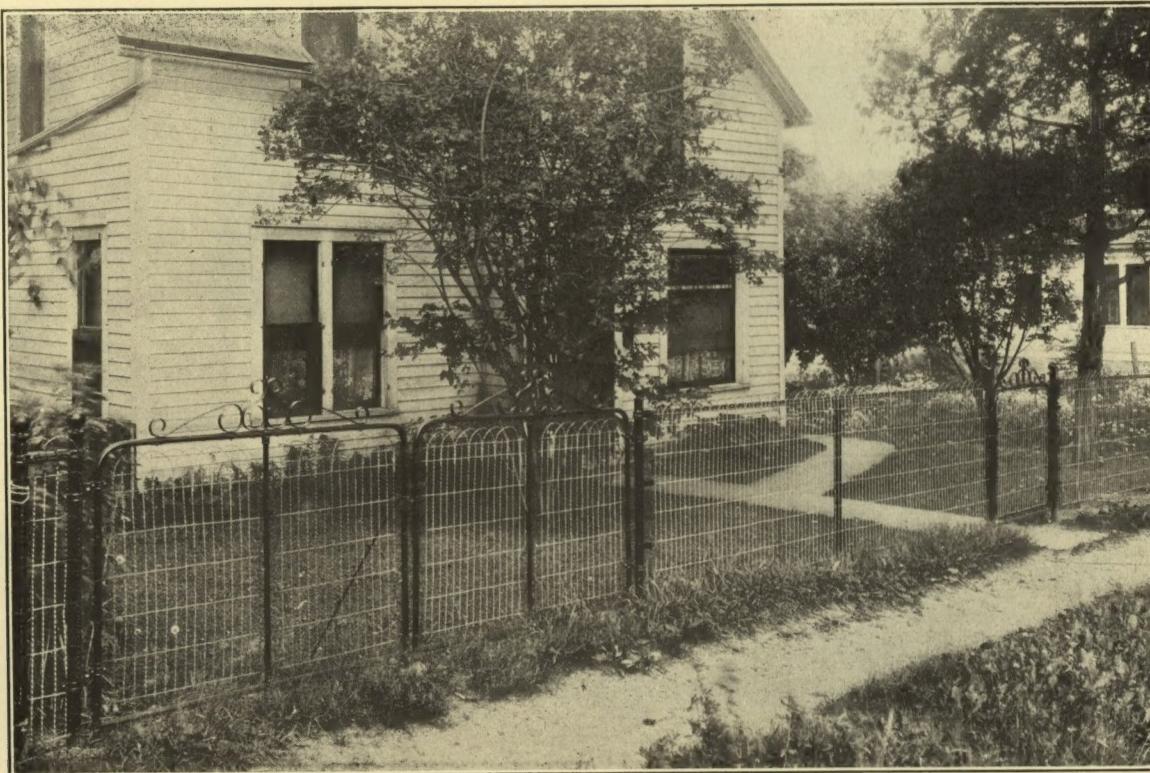
Number of Cables	Height, Inches	Price per Lineal Ft.
3	16	\$0.11
4	22	.13



MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

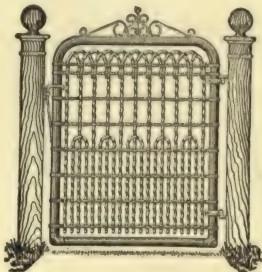
This cut showing Style S, erected on tubular steel posts and railings. Styles L-X and F can be used instead of S fabric, making a cheaper fencing.



MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

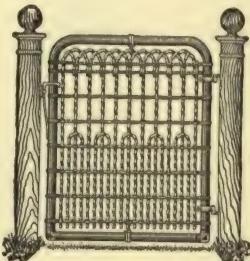
CYCLONE WALK GATES



Ornamental Walk Gate

Frames are made of heavy high-grade steel tubing $1\frac{1}{8}$ inches in diameter. Style "F" fabric regularly used. Style "L-Extra" or style "S" fabric furnished without extra charge on special order. Equipped with heavy ornamental scroll tops. Regularly furnished with hinges and spring latch for fastening to wood posts. Steel post fittings furnished to order at slight extra charge. Painted black. 30-, 36-, 42-, 48-, 60- or 72-inch heights for 3-, $3\frac{1}{2}$ - and 4-foot openings.

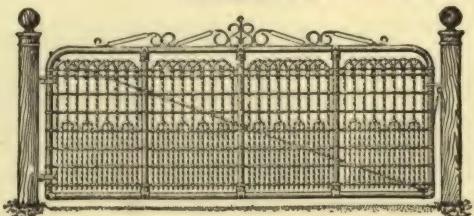
UNIVALSAR WALK GATE



Universal Walk Gate

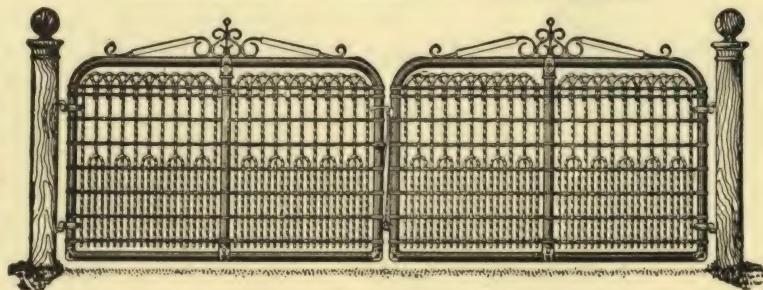
A strong, durable gate, practical for the front yard, back yard, poultry yard or garden. Frames are made of heavy high-grade steel tubing $1\frac{1}{8}$ inches in diameter. Fabric is our most popular, close-mesh, ornamental pattern, style "F," heavily galvanized. Furnished complete with hinges and latch ready to hang on wood posts. Fitting for steel posts, to order, at slight extra charge. Framework painted black. 36-, 42-, or 48-inch heights for 3-, $3\frac{1}{2}$ - and 4-foot openings.

ORNAMENTAL DRIVE GATES

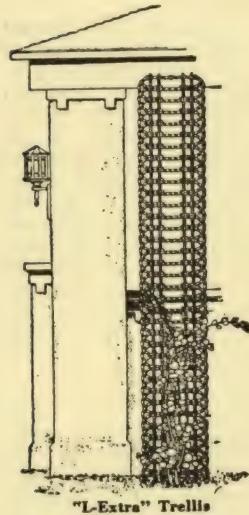


Frames of heavy high-grade steel tubing $1\frac{1}{8}$ inches outside diameter. Heavily galvanized style "F" fabric regularly used. Style "L-Extra" or style "S" fabric furnished without extra charge on special order. Equipped with scroll tops, also hinges and spring latch for wood posts. Framework painted black. All gates 8-foot and over are provided with an adjustment truss rod to prevent any possible sagging. Regularly furnished in 36-, 42-, 48-, 60- and 72-inch heights for 8-, 10-, 12-, and 14-foot openings.

ORNAMENTAL DOUBLE DRIVE GATES



Frames are made of heavy, high-grade steel tubing $1\frac{1}{8}$ inches, outside diameter. Heavily galvanized style "F" fabric regularly used. Other style fabrics to order, without extra charge. Furnished with fittings so one-half of gate may be held firmly in place while other half is used as a walk gate. On special order, gate rest is furnished with double-gates. Gate rest included without charge with COMPLETE FENCE. Painted black. Regularly furnished in 36-, 42-, 48-, 60 and 72-inch heights for 8-, 10-, 12-, 14-, 16- and 18-foot openings.



FLOWER AND VINE TRELLIS

The trellis here shown is practical and durable in construction, and very attractive in appearance—most appropriate for climbing vines and flowers.

It is made of heavy wire, retains its shape perfectly, is easily placed in position and will last indefinitely.

Corrugated wires are of No. 10, cables of No. 13 heavily galvanized wire.

Made in two styles and three widths.

Put up in 10- and 20-rod rolls.

List Prices

Width, inches	"L-Extra," per Lineal Ft.
18	\$0.14
24	.16
30	.18

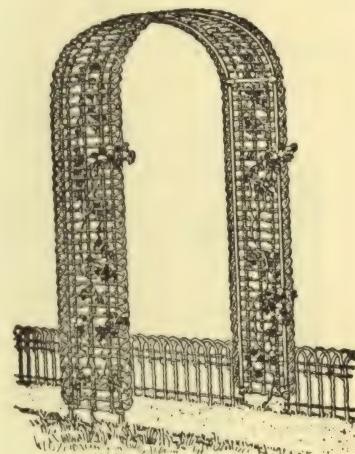
TRELLIS FABRICS ON TUBULAR STEEL FRAMES

Cut shows vine arch used over gate or pathway for lawns and gardens. It is also used for park and cemetery decorations.

Frame-work is of one-inch tubular steel, fabric is our double-end style "L-Extra" trellis. Attractively finished with green paint. Built to any shape or size desired.

List Prices

Width of Fabric Inches	Price per Lineal Ft. Any Style of Frame
18	\$0.80
24	.90
30	1.00



PROTECTION FENCE, 84-INCH, STYLE "S"



PROTECTION COMPLETE FENCE

Prices in each case are per lineal foot

Height of complete fence, feet	6	7	8
Height of fabric, feet	5	6	7
Style "L-Extra," 2 $\frac{7}{8}$ -inch mesh	\$1.00	\$1.30	\$1.60
Style "L-Extra," 2 $\frac{1}{4}$ -inch mesh	1.05	1.37	1.69
Style "L-Extra," 1 $\frac{3}{4}$ -inch mesh	1.09	1.42	1.75
Style "F"	1.08	1.41	1.81
Style "S"	1.13	1.45	1.83
Style "T," No. 9 pickets, 2 $\frac{1}{4}$ -inch mesh	1.03	1.35	1.66

This shows Cyclone Protection Fence, has been giving the best of satisfaction for years. Fabric shown is Style "L-Extra" 2 $\frac{7}{8}$ -inch mesh, 72 inches high. Three-barb-wire top and rail add about a foot to the height. Protection fence is equally satisfactory when placed around school grounds, factories, government grounds, public institutions, etc. Styles "L-Extra," "F" and "S" Fabrics are very extensively used with its construction.

Specifications.

End posts are of extra-heavy 2 $\frac{1}{2}$ -inch tubular iron, intermediate posts, 2-inch, top rail and braces 1 $\frac{3}{8}$ -inch, tubular iron. Posts tops and fittings are heavy malleable iron.

For special purposes, where heavier fence is wanted, prices quoted on application

CHAIN LINK FABRIC FENCING

ON THE following pages we show a few cuts of the well-known Cyclone copper-bearing galvanized fabrics, found to be the best by test fabrics known. The U. S. government has spent years in trying to find what caused the rusting of wire, upon which they have issued information bulletins, copies of which can be had for the asking. The U. S. engineers and other engineers finally agreed that the copper bearing wire was the most rust-resisting on the market. We are glad to inform the public that the Cyclone Fence Company's chain link fabric is now made of copper-bearing steel.

MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

SAFEGUARD FENCE FOR SCHOOLS



Safeguard Fence is particularly adapted to the requirements of schools. Stands rough usage; shuts off the playground from the street; protects children from dangers of traffic; centralizes entrances and exits; protects buildings, equipment, lawns and shrubs against the depredations of rowdies and vandals.

Furnished in heights from 4 to 8 feet.

CYCLONE SAFEGUARD FENCE FOR CEMETERIES



Cyclone Safeguard Fence forms a particularly graceful and dignified enclosure for the cemetery. Its design, though artistic, is noted for its simplicity and refinement; harmonizes perfectly with the character of its environment and adds to the attractiveness of ground enclosed.

The effective and dependable protection afforded by Cyclone Fence is an incentive to make the cemetery more beautiful; inspires better care of family lots and serves as an impressive reminder of the purposes to which the cemetery is dedicated.

Specifications

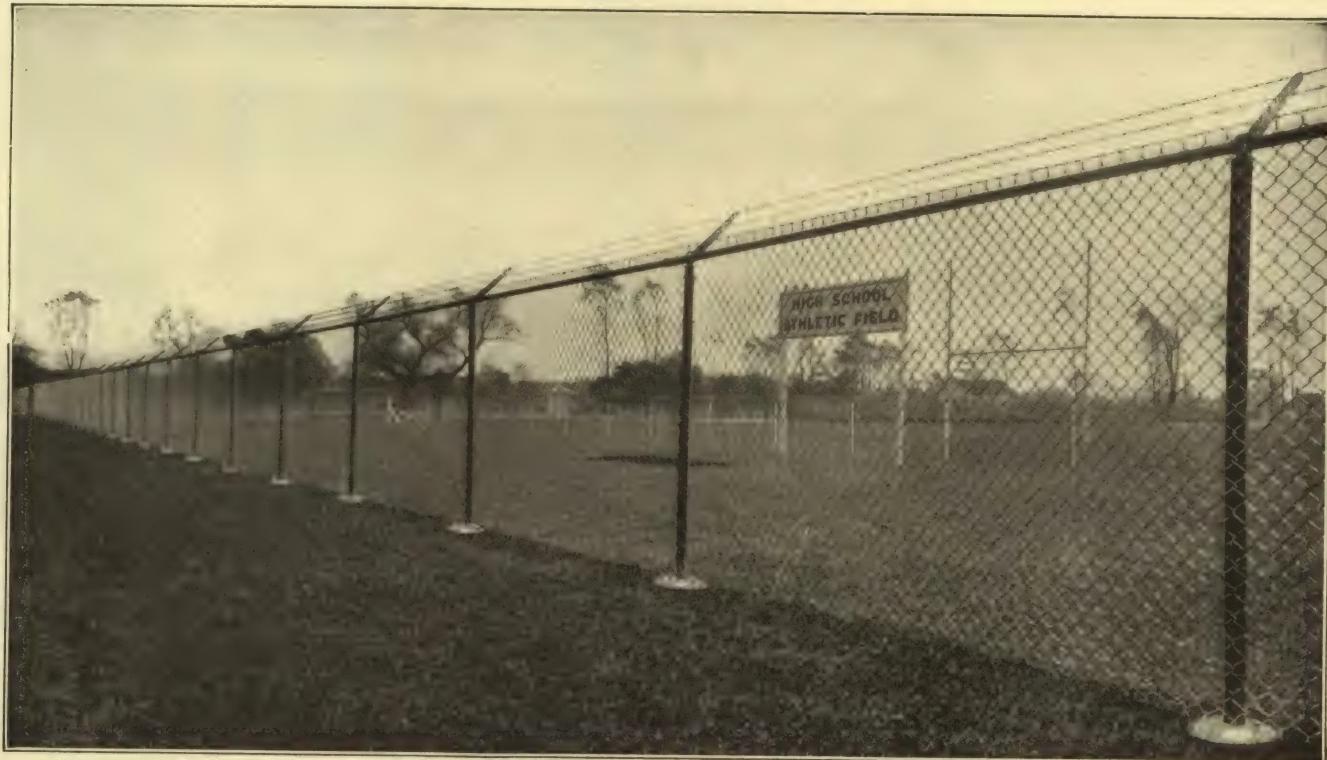
Standard heights of Safeguard fence for cemeteries are 4, 5 and 6 feet. Built higher when desired. Fabric is heavy, galvanized steel wire woven in a 2-inch chain link mesh. Top and bottom selvages have knuckled and barbed finish. Posts, and framework, full weight, tubular steel.

Entrance gates or arches for any opening size, to match fence or of special design, placed where convenient. Finished all heavily galvanized or with frame work painted green as ordered. Frame work painted black if desired. Cyclone Fence for cemeteries is built in a variety of designs in both wire and iron. A wide range of patterns are offered. See pages 3 and 4 on how to order Complete Fence.

MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

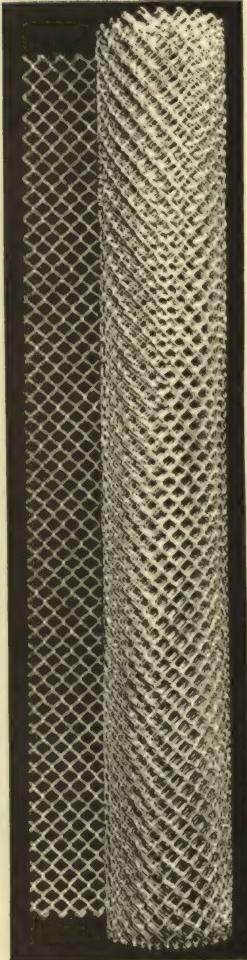
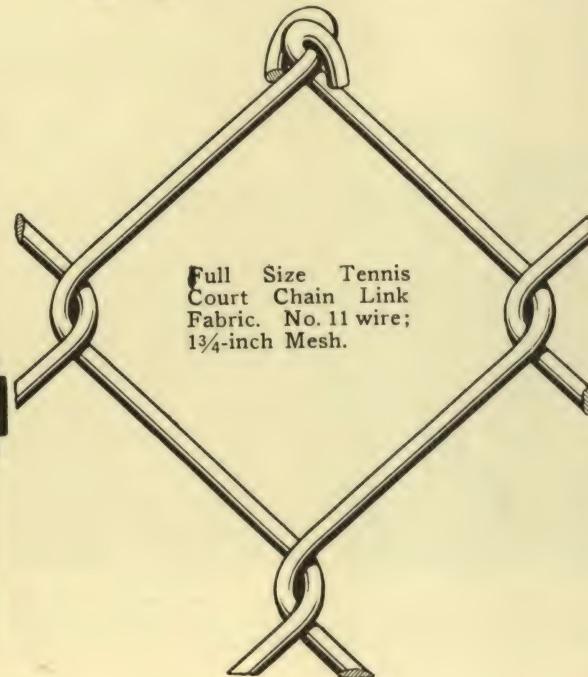
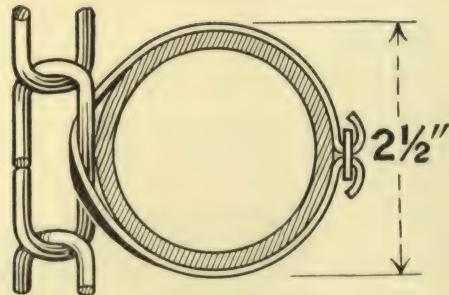
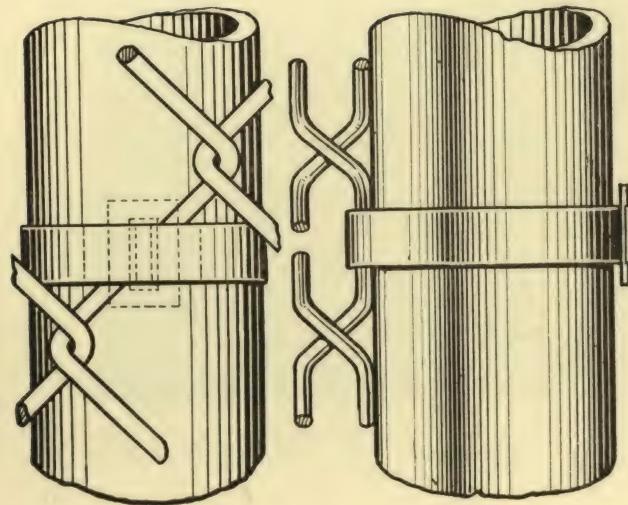
FENCING FOR FACTORIES AND ATHLETIC FIELDS



Generally made of 2-inch No. 9 copper bearing steel wire mesh, posts set 8 to 10 feet apart, gate posts $3\frac{1}{2}$ -inch outside diameter, end posts 3-inch outside diameter, intermediate posts $2\frac{1}{2}$ -inch outside diameter, top rail $1\frac{5}{8}$ -inch outside diameter. Posts and railings painted or galvanized at a slight extra charge. Made in heights of 6 to 8 feet.

TENNIS COURT ENCLOSURES AND
BASE BALL BACK STOP

Showing Fabric





Cyclone Back Stops

TENNIS COURT ENCLOSURES
AND BACK STOPS

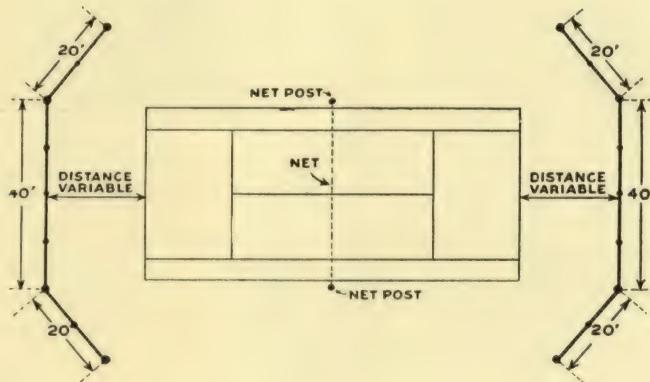
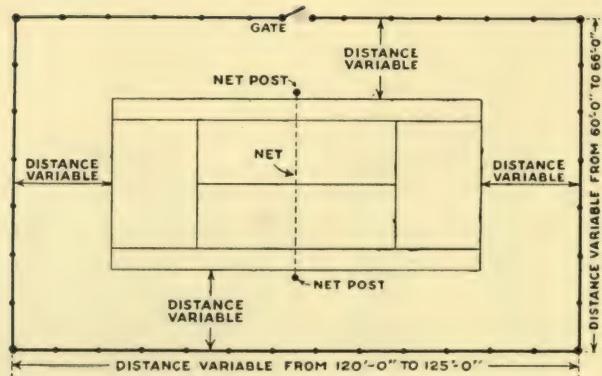
*Tennis-Court
Enclosure*

Cyclone Tennis-Court Enclosures and Back Stops are made of Cyclone Chain Link Fabric, using No. 11 gauge heavily galvanized copper-bearing steel wire woven in a $1\frac{3}{4}$ -inch diamond mesh. Chain Link Fabric, on account of its strength and durability, will last for years. It is not to be compared with the light wire poultry netting formerly used for tennis-court enclosures.

Furnished regularly in 10- and 12-foot heights. Finished all heavily galvanized, or with frame work painted green.

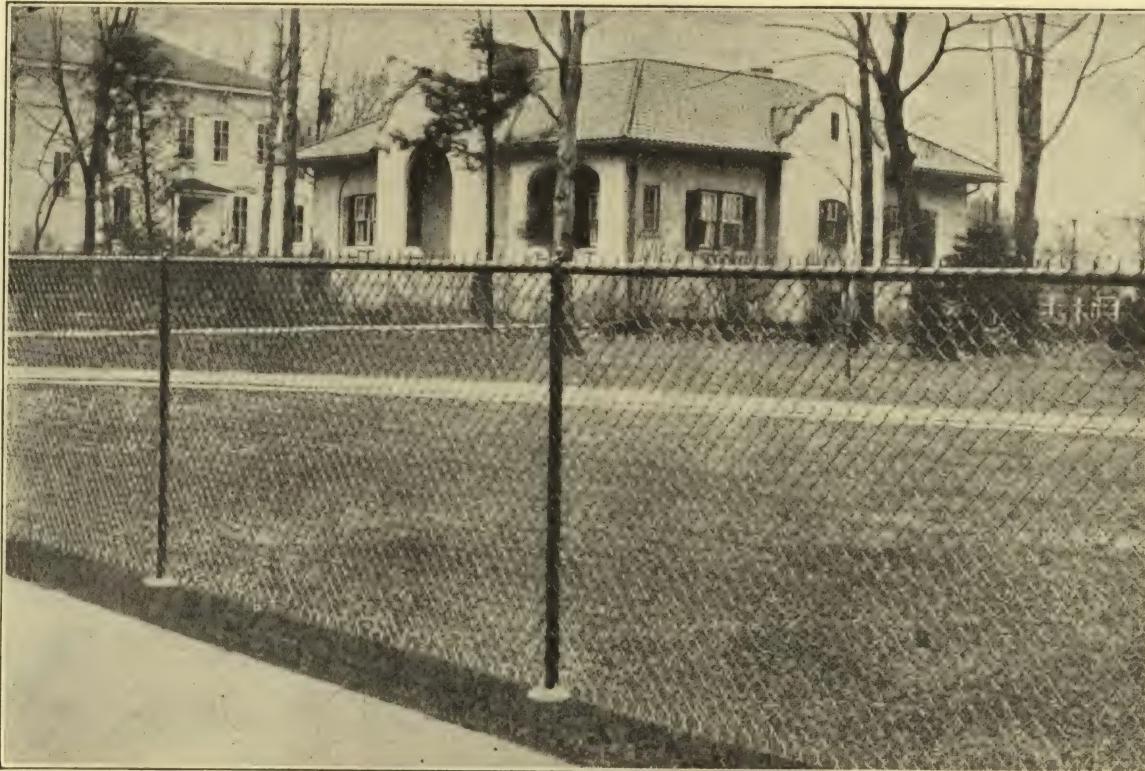
TENNIS COURT ENCLOSURES AND BASE BALL BACK STOP

Diagram



MINNESOTA FENCE WORKS

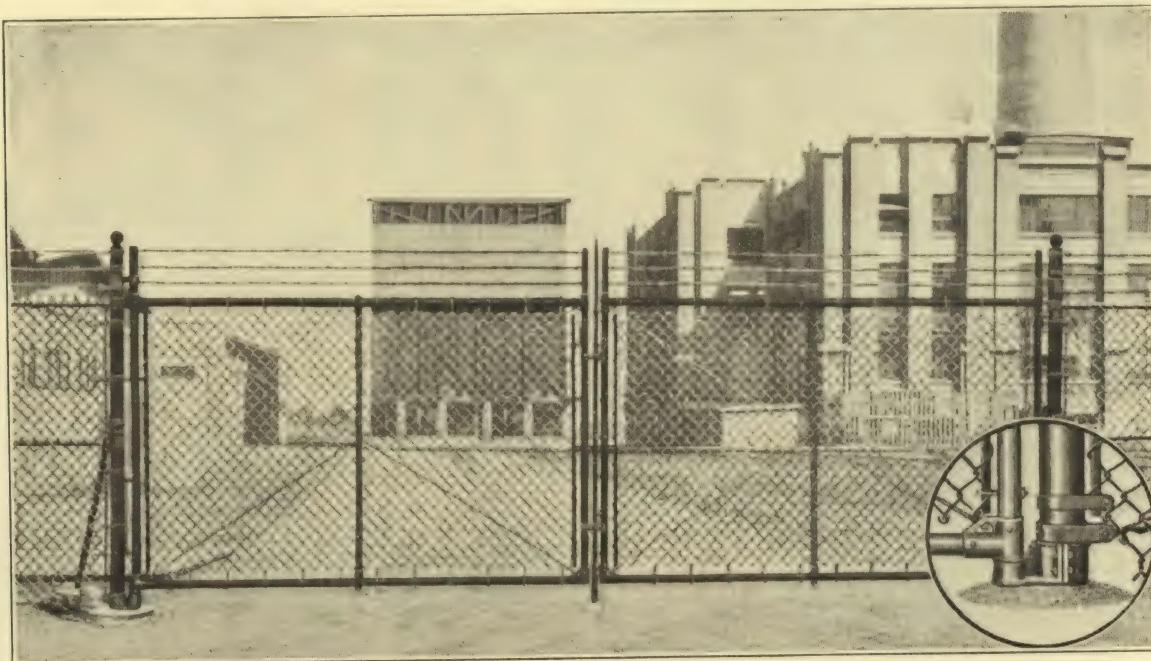
240-242 West University Avenue, St. Paul, Minn.



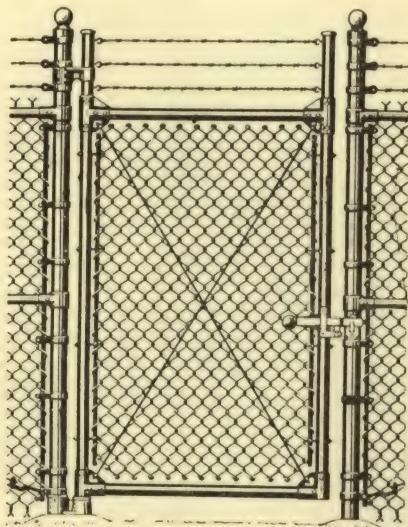
SAFEGUARD CHAIN LINK FENCE

Safeguard Fence is especially suited to the requirements of suburban homes. Its elegance of design and sturdy construction make it the correct fencing where attractiveness and effective protection must be considered.

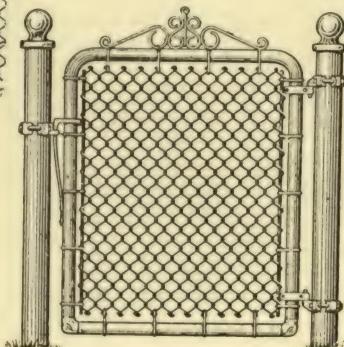
SWING GATES USED WITH CYCLONE CHAIN LINK FENCE



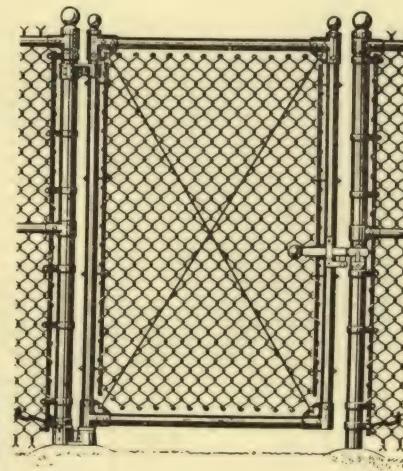
Swinging Gates built either single- or double-type for any height and opening.
Furnished with any style of Cyclone Property Protection Fence.



Walk Gates for Chain
Link Fencing made any
height and width.

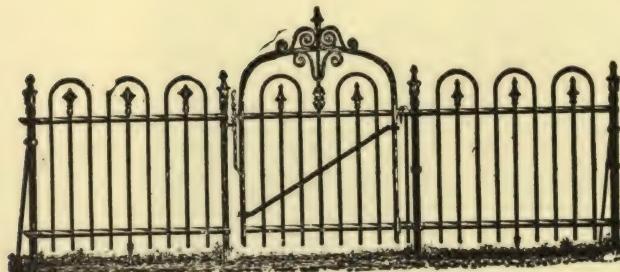


Walk Gate used with Cyclone
Invincible Fence. "Ball and
Socket" Hinge; Knob Latch.



Walk Gate used with Cyclone
Safeguard Fence. "Ball and
Socket" Hinge; Knob Latch.

THIS NEXT SECTION shows a few styles of the many Ornamental Iron Fences we make. If you desire a particular style not shown, kindly send us drawings and specifications, also diagram of fencing desired and we will quote you prices.



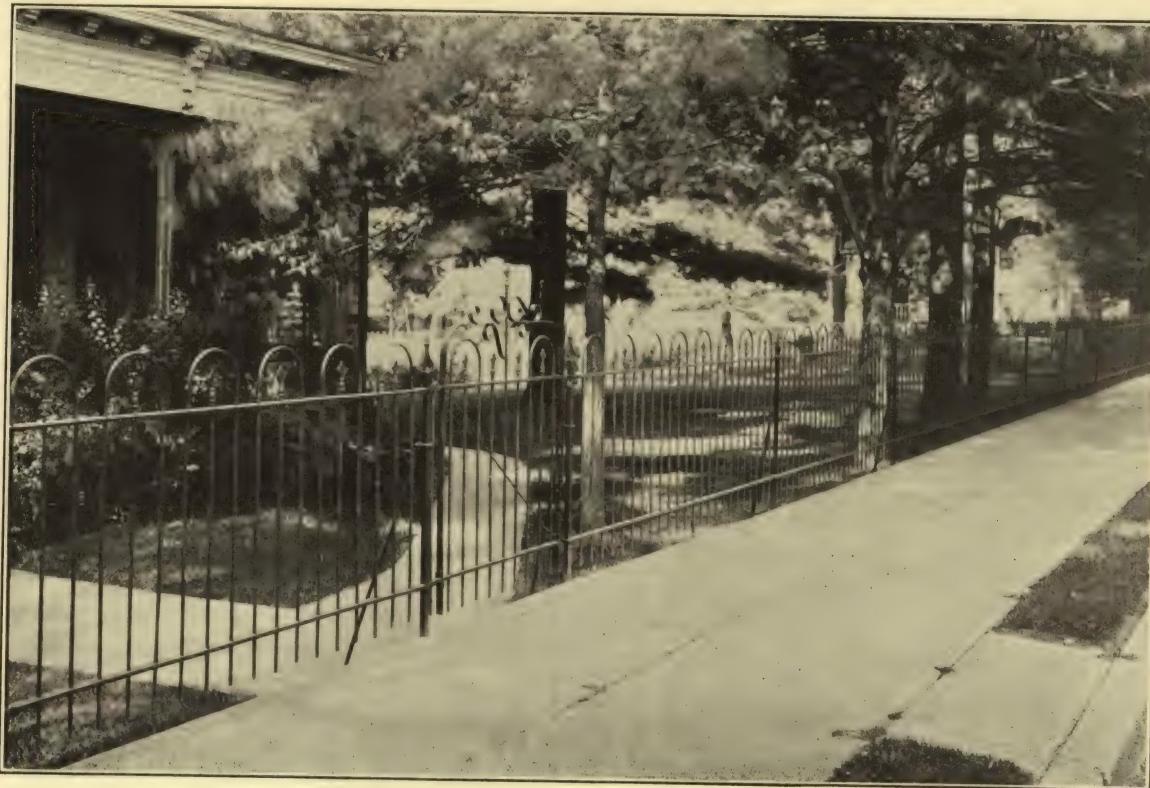
This cut shows our style "A" Fence, with No. 1 Gate and No. 1 Post. The rods are $\frac{3}{8}$ -inch and $\frac{1}{2}$ -inch round and rails are $1\frac{1}{4} \times \frac{1}{2}$ -inch, channel iron, height from ground 37 to 48 inches. This fencing is well braced and when properly set—will last ages.

Price, per foot, 37 inches high, $\frac{3}{8}$ -inch round Pickets	\$ 1.00
Walk Gate	6.50
Price, per foot, 48 inches high	1.20
Drive Gate	13.00
End, Gates and Corner Posts	1.50

For $\frac{1}{2}$ -inch Round Pickets add 20c per foot to the above prices.

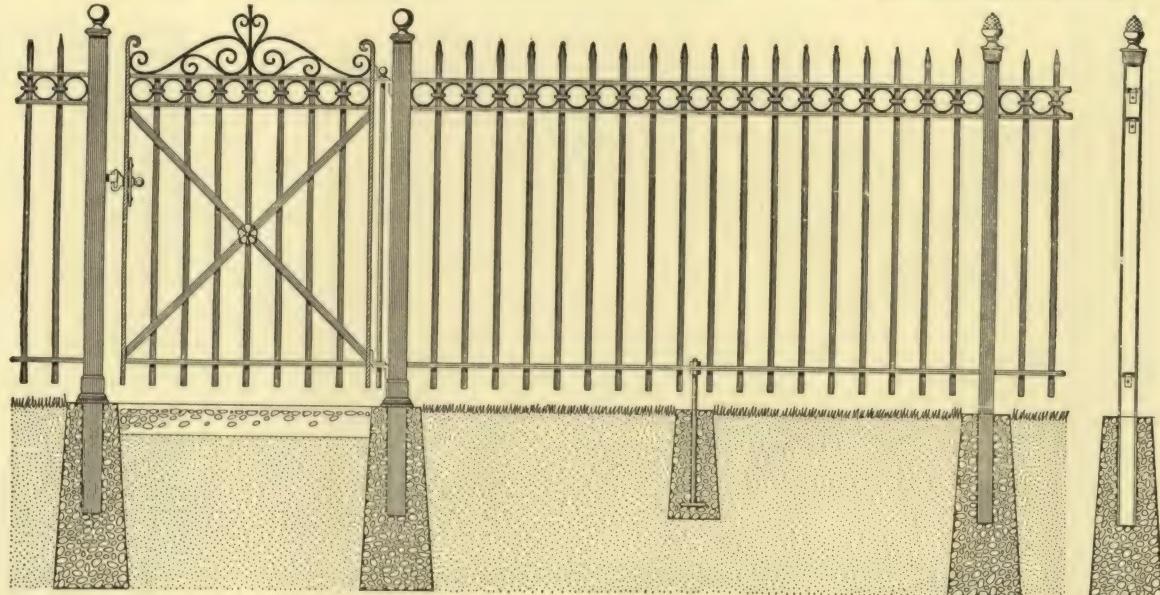
MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.





We furnish and erect fencing for walls.

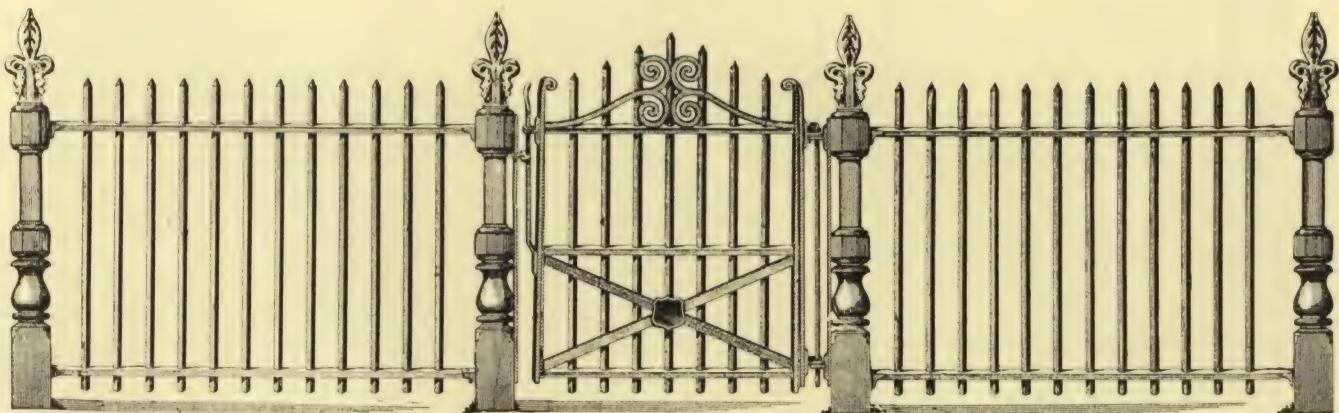


PATTERN 08—Bordering on the ornamental, this pattern serves a useful purpose in affording an iron fence at a moderate price, that is not too plain. When erected, its beauty becomes at once evident and imparts a pleasing and finished appearance to premises.

Specifications

- C 08 — $\frac{1}{2}$ -inch Square Pickets, spaced 4 inches on centers. $1\frac{1}{4} \times \frac{1}{2}$ -inch heavy Channel Rail. Height from ground, when set, 37, 42 and 48 inches.
- C 08 A— $\frac{5}{8}$ -inch Square Pickets, spaced 5 inches on centers. $1\frac{1}{2} \times \frac{1}{2}$ -inch heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54 and 60 inches.
- C 08 B— $\frac{3}{4}$ -inch Square Pickets, spaced 5 inches on centers. $2 \times \frac{5}{8}$ -inch Channel Rail. Height from ground, when set, 37, 42, 48, 54, 60 and 72 inches.

IRON FENCING AND GATES



PATTERN C 507

Specifications

- C 507 — $\frac{3}{8}$ -inch Square Pickets, spaced 4 inches on centers. $1\frac{1}{4} \times \frac{1}{2}$ -inch Channel Rail. Height from ground, when set, 37, 42 and 48 inches.
- C 507 A— $\frac{1}{2}$ -inch Square Pickets, spaced 4 inches on centers. $1\frac{1}{4} \times \frac{1}{2}$ -inch Channel Rail. Height from ground, when set, 37, 42 and 48 inches.
- C 507 B— $\frac{5}{8}$ -inch Square Pickets, spaced 5 inches on centers. $1\frac{1}{2} \times \frac{1}{2}$ -inch Channel Rail. Height from ground, when set, 37, 42, 48, 54 and 60 inches.
- C 507 C— $\frac{3}{4}$ -inch Square Pickets, spaced 5 inches on centers. $2 \times \frac{5}{8}$ -inch Channel Rail. Height from ground, when set, 37, 42, 54, 60 and 72 inches.

Prices furnished on request.

MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

IRON FENCING



Iron Fence erected at Nina and Laurel avenues, St. Paul.
Made in any height of $\frac{5}{8}$ or $\frac{3}{4}$ square upright bars with channel horizontal bars.

IRON FENCE, ENTRANCE GATES AND ORNAMENTAL IRON WORK



Walk Gate No. 18-A

Drive Gate No. 18-A

Walk Gate No. 18-A

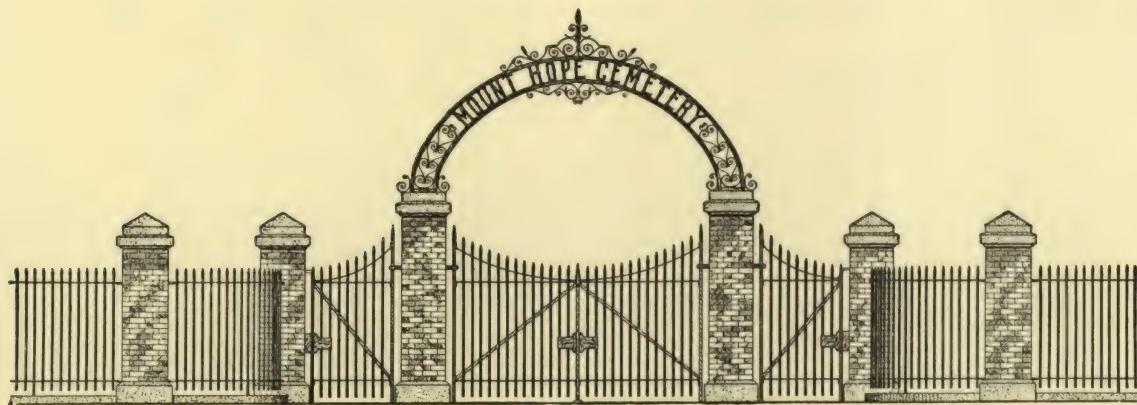
Double Drive Gate No. 50-A

Standard widths 10 ft., 12 ft. and 14 ft. wide between posts. Constructed of $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - and $\frac{7}{8}$ -inch pickets.

Walk Gate No. 50-A

Standard widths 3 ft. 6 in. and 4 ft. wide between posts. Constructed of $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ -, and $\frac{7}{8}$ -inch pickets

IRON ENTRANCE GATES AND ARCHES



Specifications

Double Drive Gates—Standard widths, 12 feet and 14 feet between posts, constructed of $\frac{1}{2}$ -, $\frac{5}{8}$ -, $\frac{3}{4}$ - and $\frac{7}{8}$ -inch upright pickets.

Walk Gates—Standard widths, 3 feet 6 inches and 4 feet opening. Arch can be used with either iron posts or brick and cement piers and is made for any size opening. Prices furnished upon request.

No. 3



NO. 2 CEMETERY ARCH

While not quite as elaborate as our No. 3 arch, this will furnish a very desirable and artistic entrance to any cemetery, park or public grounds.

The curved center panel gives a very pleasing effect.

Upright posts are of extra-heavy 2-inch tubular steel. Scroll-work is of heavy wrought iron securely riveted. Lettering is of heavily galvanized sheet steel with either silver-aluminum or gold-bronze finish. Any lettering desired can be used.

Regularly built to give 11 feet clearance in height, but can be built higher if desired.

Price, including not more than 20 letters (without gates) for 8-, 10- or 12-foot opening\$100.00

For more than 20 letters, slight additional charge is made.

Prices on special size arches on application.

NO. 3 CEMETERY ARCH

This is a very handsome front entrance arch for any cemetery. The heavy upright posts add strength, while the ornamental scroll-work gives a beautiful and pleasing effect.

Any lettering desired can be used in the top panel.

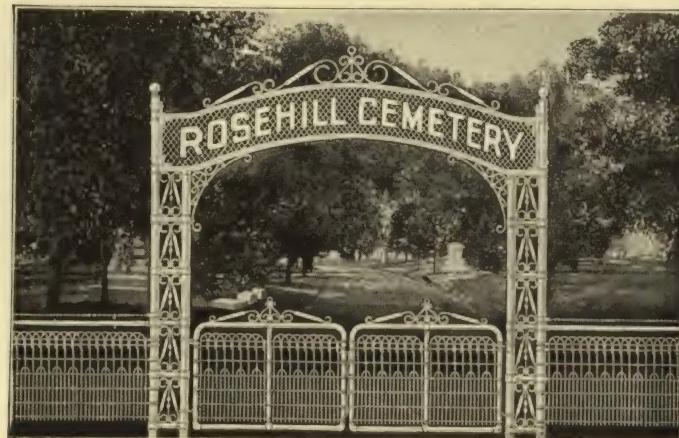
Upright posts are extra-heavy 2-inch tubular steel. Scroll-work is heavy wrought iron, securely riveted. Lettering is of heavily galvanized sheet steel with either silver-aluminum or gold-bronze finish. Furnished with either ball tops or crosses as desired.

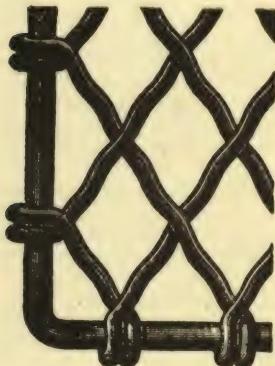
Regularly built to give 11 feet clearance in height, can be built higher if desired.

The standard size for this arch is 12 feet for main driveway, $3\frac{1}{2}$ feet for walk gates and covers a space outside to outside of 23 feet 8 inches.

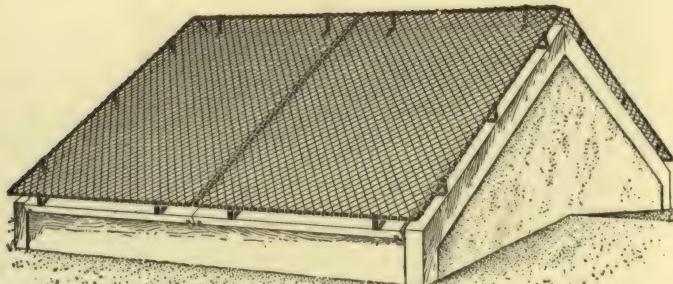
Price, including side entrances and not more than 20 letters (without gates) for 10- or 12-foot arch\$170.00

For more than 20 letters, slight additional charge is made. Price, without side entrances (without gates)\$100.00

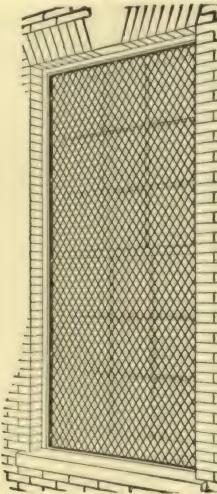




*Window Guard
Round Iron Frame*



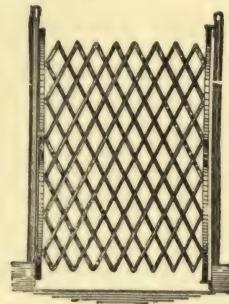
Wire Skylight Guard



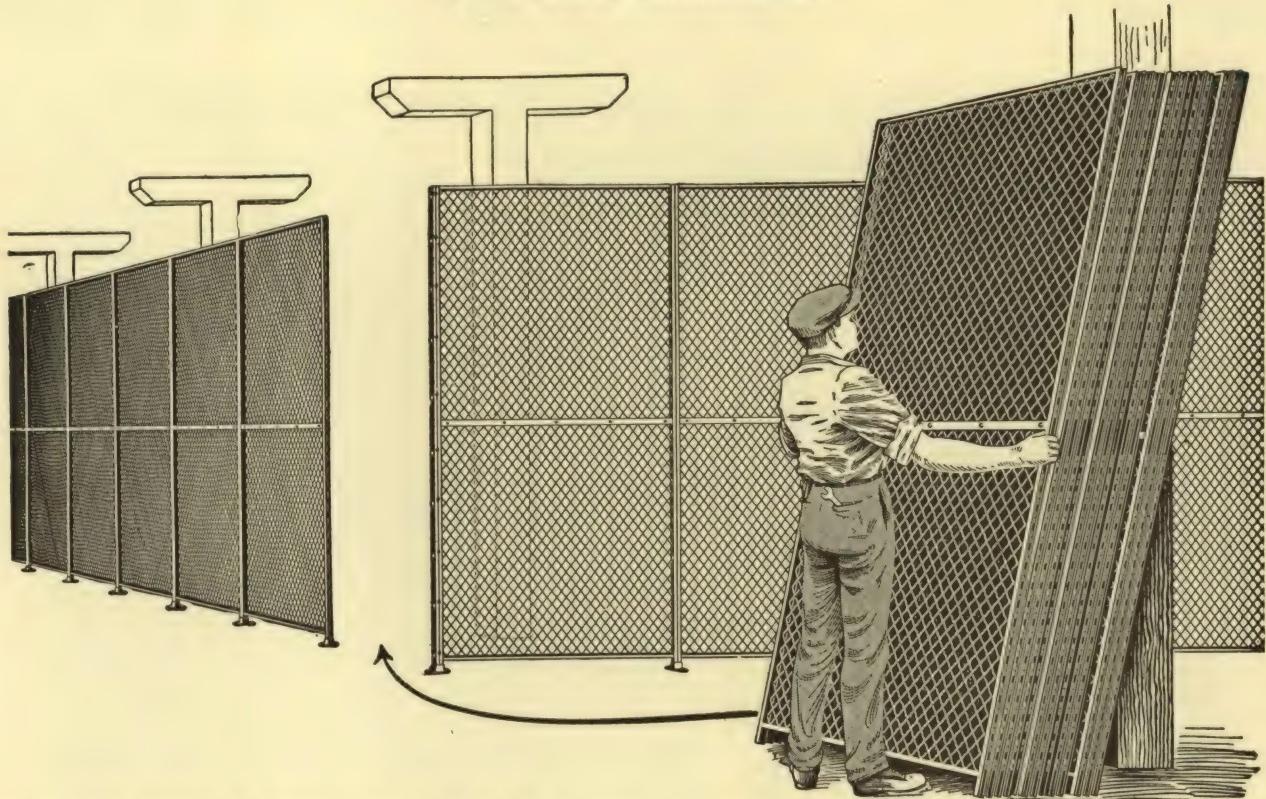
*Window Guard
with Channel Frame*

We also make wire partitions for offices, workrooms and stairs, build collapsible gates, double or single, with or without locks.

COLLAPSIBLE GATES



TOOL ROOM ENCLOSURE



Made in either square or diamond mesh, using flat or round wire, made in all heights or widths, with either gravity or swinging doors. Prices submitted upon application.

OFFICE AND BANK WICKETS AND GRILLS

We make bank vault grills of round or square, upright pickets, with or without ornamental picket tops, sliding or swinging doors. Doors can be furnished with bells attached to locks so that they cannot be opened without sounding an alarm. Finish: Dull or bright nickel; oxidized copper, statuary bronze or painted.

Send blue prints and specifications on grills and wickets required and we will be glad to quote you on anything or any design you may desire.

MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

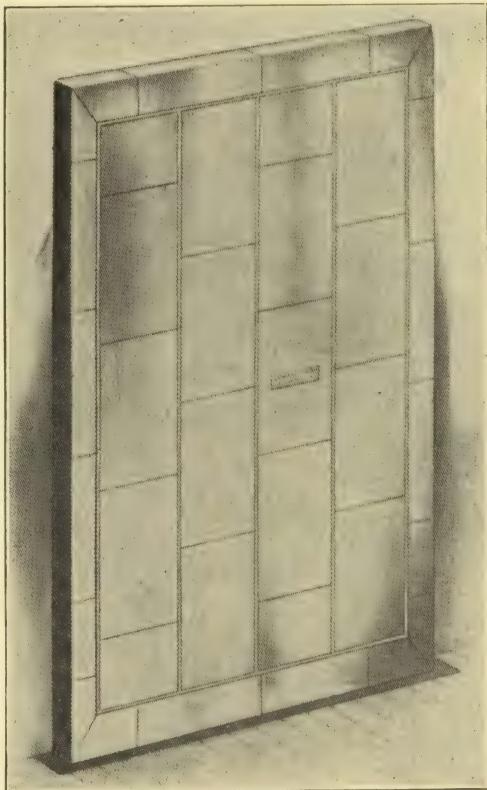
BANK CASHIER'S ENCLOSURE



Erected at Eagle's Hall, Wabasha street, for the Safe Cabinet Co.



We manufacture and erect Fire Escapes to comply with the laws of the different states. Give correct measurements of the different stories of the building. If possible, send photo of building and mark location where escape is to be placed. Also give widths of windows and doors escape should connect with.



STANDARD TIN-CLAD FIRE DOORS AND SHUTTERS

Approved and Labeled by the National Board of Fire Underwriters After Exhaustive Tests by the Underwriters' Laboratories, (Inc.)

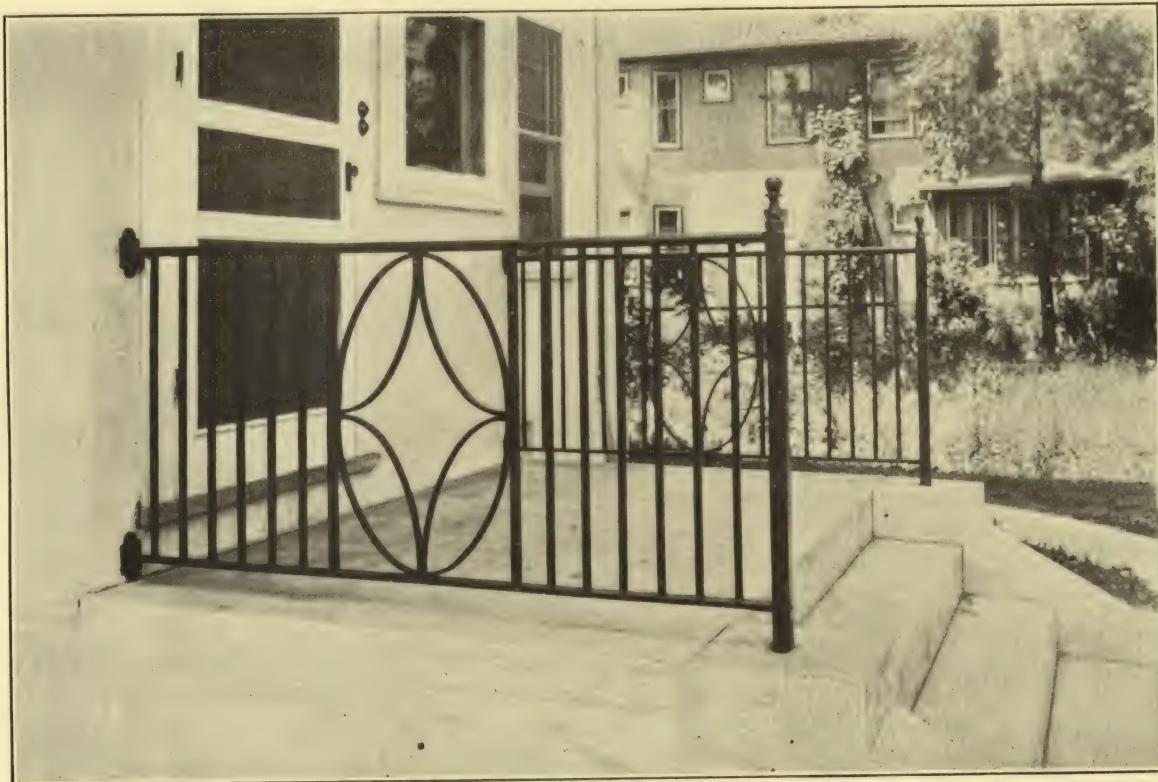
Standard three-ply (2 $\frac{5}{8}$ -inch) Doors are made of three thicknesses of boards, dressed 13-16 inch full, the outside layers vertical and inner layer horizontal; thoroughly fastened together by wrought iron clinch nails not over 8 inches apart, extending clear through the door and clinched on the back side, leaving both surfaces of the door smooth; double lock joints in the tin covering as required under the rules of the National Board of Fire Underwriters. Weight, 8 pounds per square foot.

Standard two-ply (1 $\frac{3}{4}$ -inch) Doors are made of two thicknesses of boards, dressed to 13-16 inch full, with one layer vertical and one horizontal; thoroughly fastened by wrought iron clinch nails, every 8 inches apart, extending clear through the door and clinched on the back side, leaving both surfaces of the door smooth; double lock joints in the tin covering as required under the rules of the National Board of Fire Underwriters. Weight, 6 pounds per square foot.

Standard Fire Shutters are made in the same manner as two-ply (1 $\frac{3}{4}$ -inch) doors and are of the same thickness.

Directions for Ordering—State following: First—if openings are square or arched top. Second—if doors are incline or square top. Third—if doors or shutters are flush with or overlap the opening. Fourth—if doors slide or swing. Fifth—if they are used single or in pairs. Sixth—if they are used on fire-wall, vertical shaft, corridor or room partition, exterior wall or an opening onto fire escape.

C UTS on following pages show some of the many different styles of Flower Boxes, Balcony and Stair Railings which we have recently installed, adding great improvement to the appearance of the structures. In our estimation no home can be called complete without them.



Railing No. 1, made of $\frac{1}{2}$ - or $\frac{5}{8}$ -inch square bars with $1\frac{1}{4}$ -inch post; $1\frac{1}{4}$ -inch channel frames.

MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.

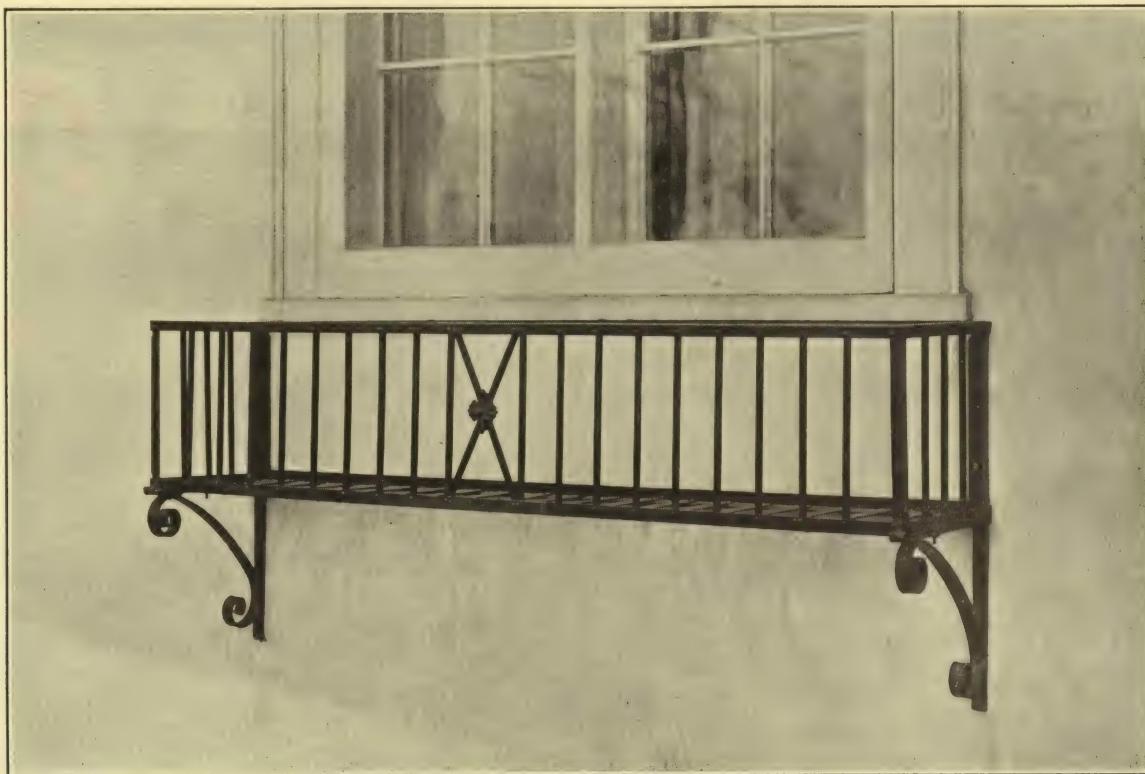


DESIGN NO. 2—Railings made of $\frac{1}{2}$ - or $\frac{5}{8}$ -inch square upright bars. Posts $1\frac{1}{4}$ -inch square, channels $1\frac{1}{4} \times \frac{1}{2}$ -inch. Flower box made of $\frac{3}{8}$ -inch square upright bars with $\frac{7}{8}$ - or 1-inch channel horizontal bars.

Erected at 1390 Summit Avenue, St. Paul



DESIGN NO. 3—Strong, ornamental and neat. 1764 Wellesley



DESIGN NO. 4—Made any length or height.

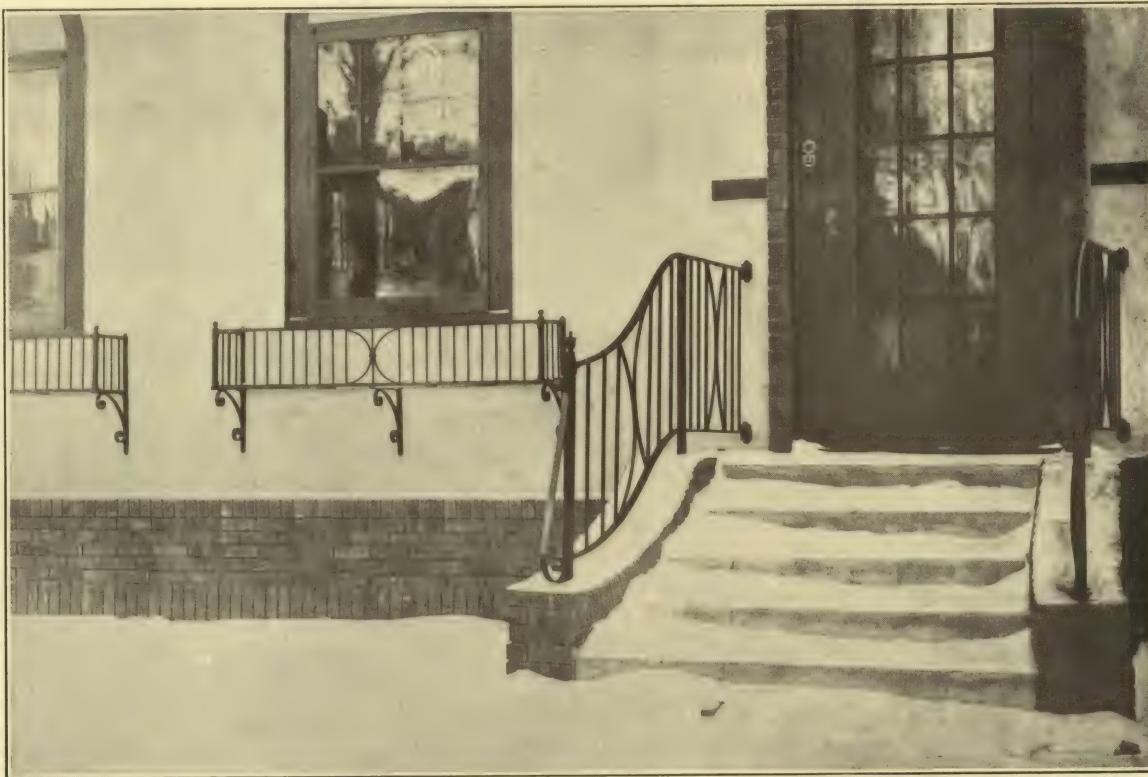


DESIGN NO. 5—Platform Railings Erected at 1797, 1799, 1801, 1803, 1805, 1807, 1809, 1811 Randolph street.



MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.



DESIGN NO. 7.



MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.



DESIGN NO. 9.



DESIGN NO. 10—Erected at 808 Mound street.



DESIGN NO. 11—Sun Porch Railing. Erected at 1390 Summit avenue.



MINNESOTA FENCE WORKS

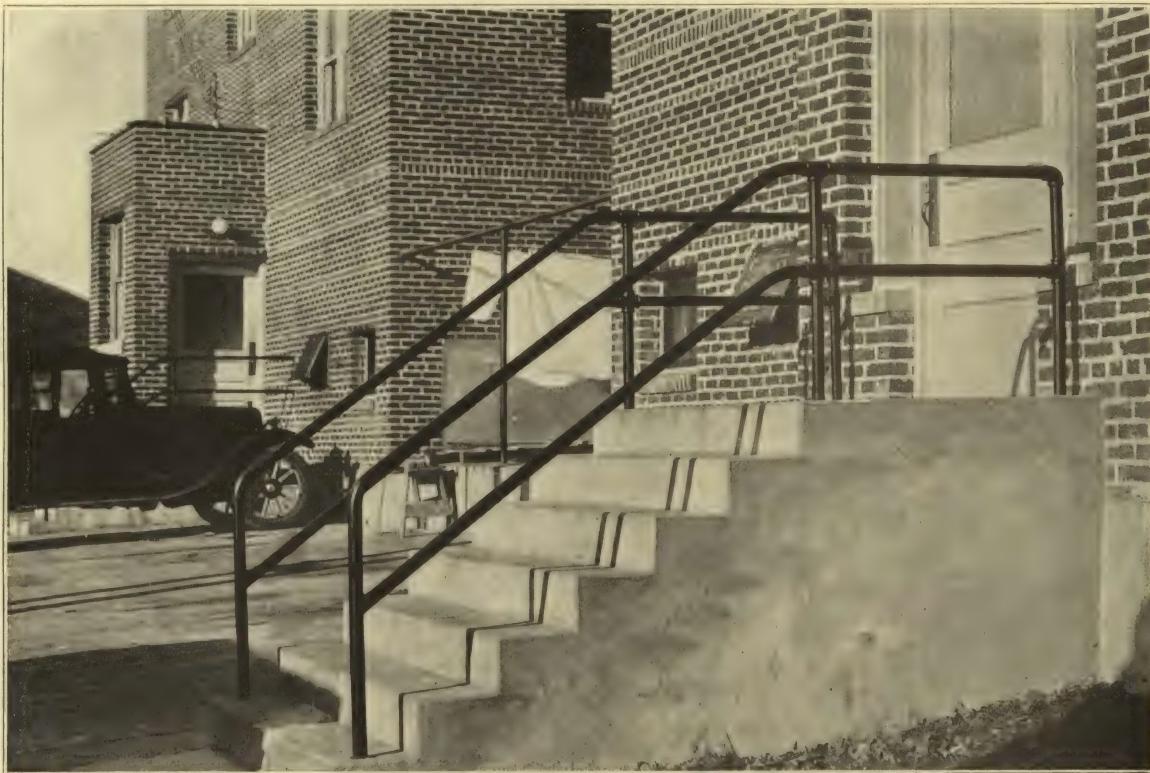
240-242 West University Avenue, St. Paul, Minn.



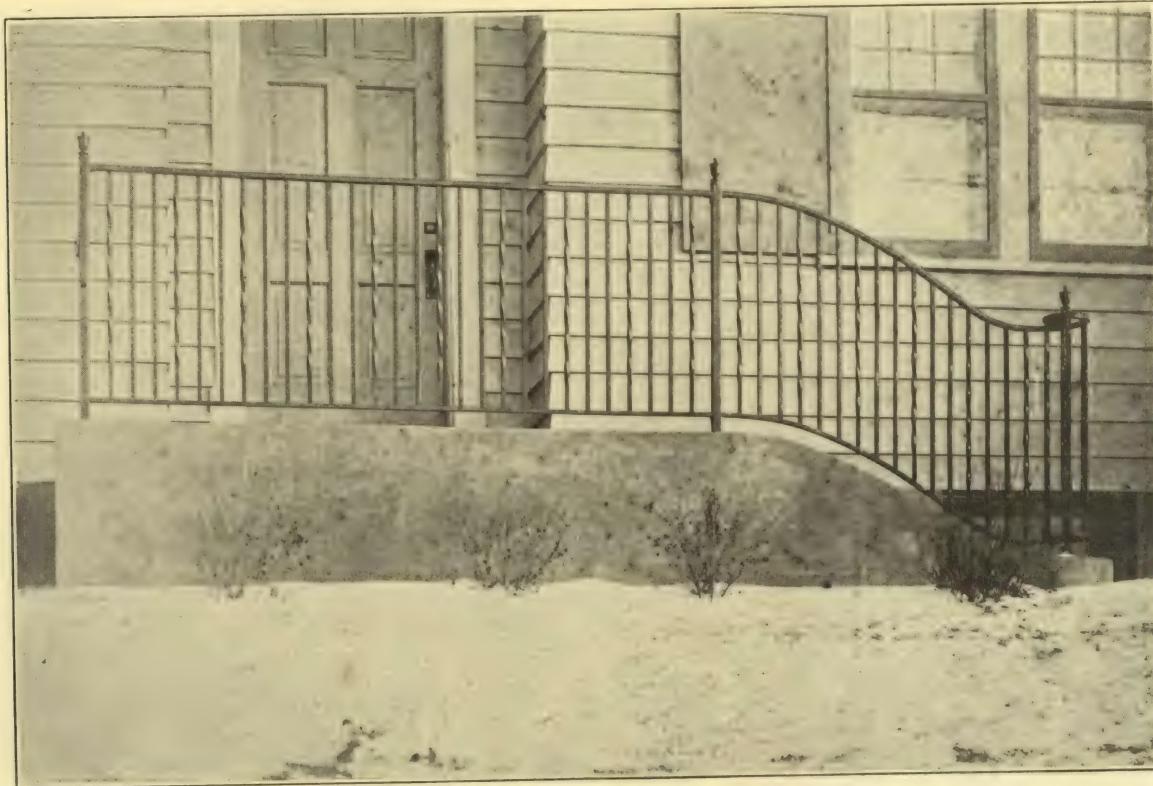
DESIGN NO. 13— 1379-1381 Thomas street.



DESIGN NO. 14—Design No. 14 and 15, showing Gas-pipe Hand Rails.



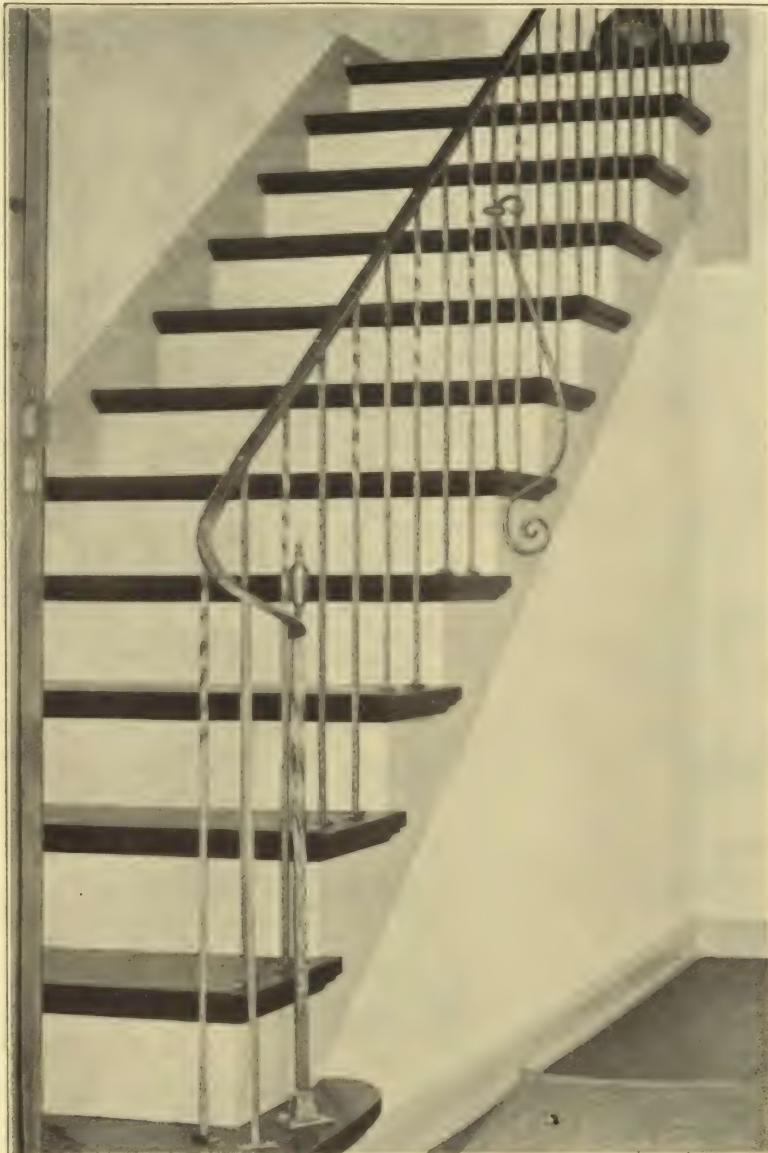
DESIGN NO. 15—Gas-pipe Hand Rails made of any size pipe, to fit any stair, step or area.



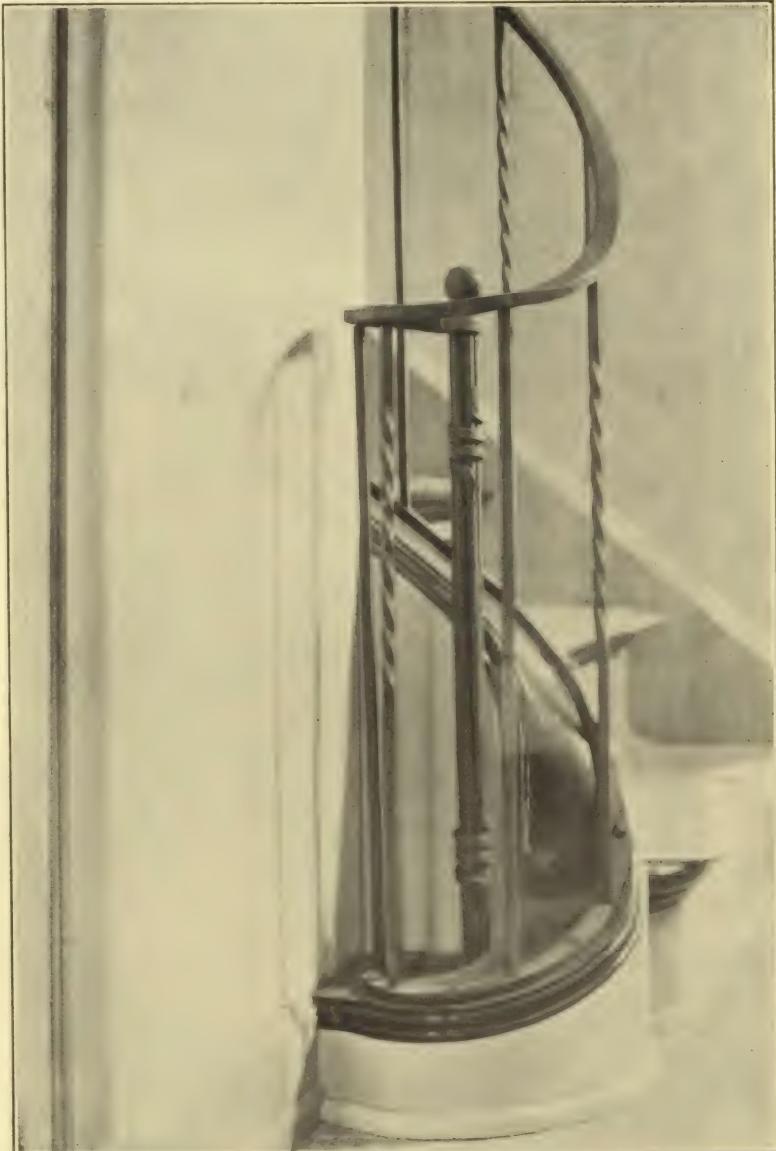
Platform Railings.

MINNESOTA FENCE WORKS

240-242 West University Avenue, St. Paul, Minn.



Interior Stair Railing
DESIGN NO. 1



Interior Stair Railing
DESIGN NO. 2

WE BUILD AND ERECT SWINGS FOR THE HOMES,
SCHOOLS, PUBLIC PARKS AND PLAYGROUNDS.
PRICES FOR WHICH ARE FURNISHED ON
APPLICATION



SINGLE LAWN SWING
Made of $2\frac{1}{2}$ -inch O. D. galvanized or black pipe.
Sold erected or without erection.



CUT NO. 2
Swing-Ring construction or two swings
Made of 2½-inch O. D. pipe throughout.
All malleable fittings.



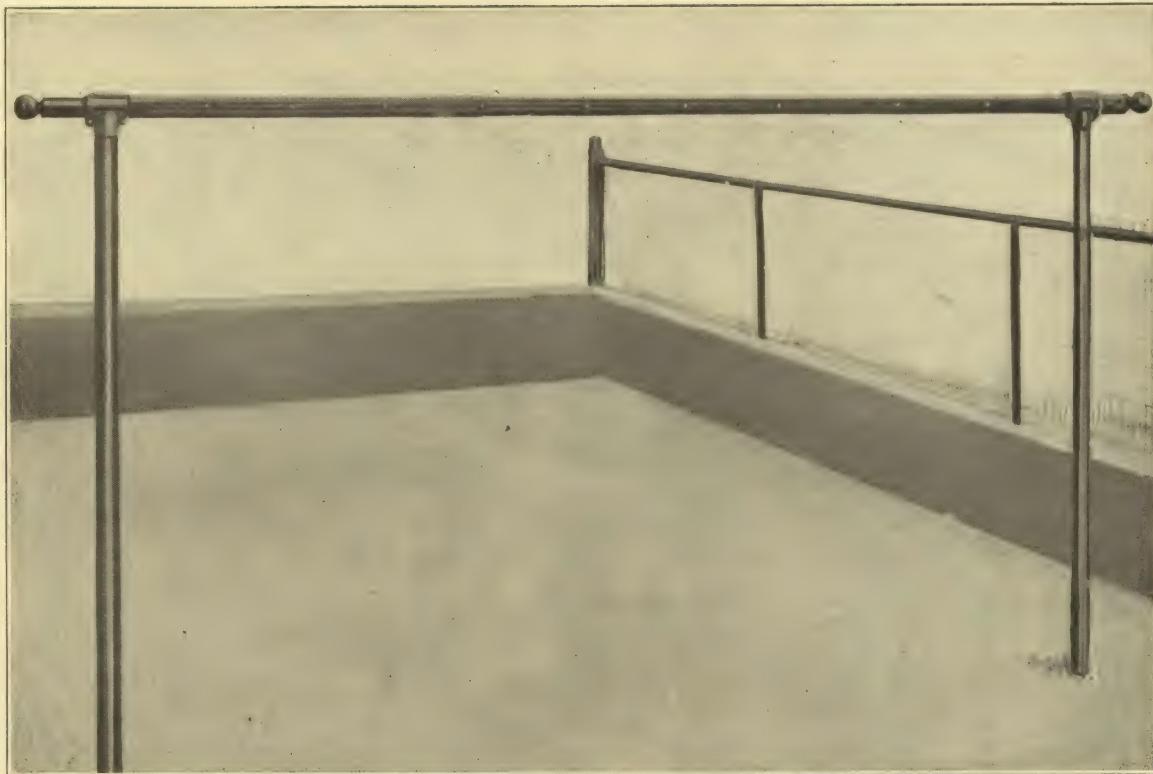
Heavy constructed playground swings, using 3-inch O. D. top bar and 2½-inch O. D. uprights. Set 3 feet in concrete. Made of either black or galvanized pipe.



CLOTHES LINE POST NO. 1

Will not warp, burn or split.

Made of 2½-inch outside diameter pipe throughout.
Uprights 9 feet 6 inches, cross arms 6 feet 6 inches, with 5
hooks.

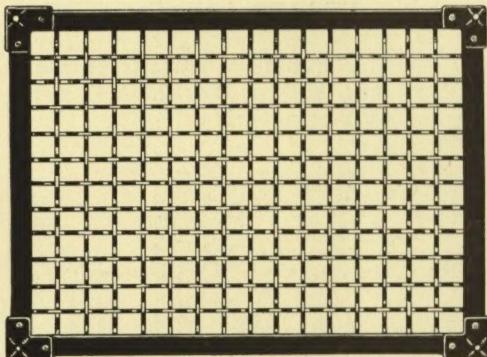


DOUBLE CLOTHES RACK

Made up to 12 ft. long, using 2 uprights, and up to 24 ft. long using 3 uprights. Construction throughout, $2\frac{1}{2}$ -inch outside diameter steel tubing.

STANDARD SIDEWALK GRATINGS

Made of Flat Bar Iron.

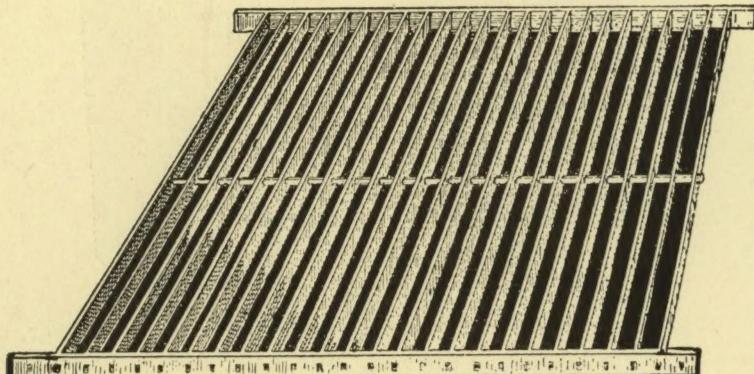


Ventilation Grill

Cut shows ventilation screen for heating systems. Standard screens made of No. 10 galvanized wire japanned, $1\frac{1}{4}$ -inch mesh with 1-inch angle frame with ornamental corner. Prices quoted on application. These screens are also made of 3-16- and $\frac{1}{4}$ -inch at wire.

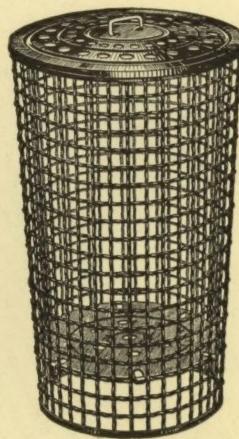
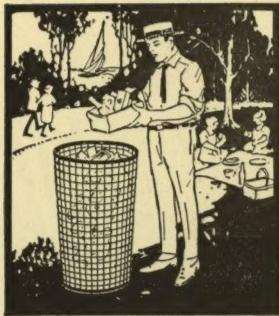
We make sidewalk gratings to fit any opening.

Prices upon application.



Standard Sidewalk Gratings

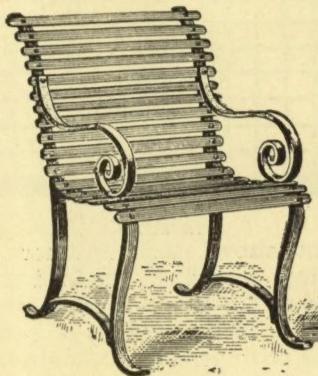
CATCH-ALL BASKETS



This basket, while originally made for a paper burner, can be used for a number of different purposes, such as waste paper container, displaying of fruits and vegetables for grocers and many other purposes.

CHAIRS AND SETTEES

We manufacture iron chairs and settees for lawns, parks and cemeteries.



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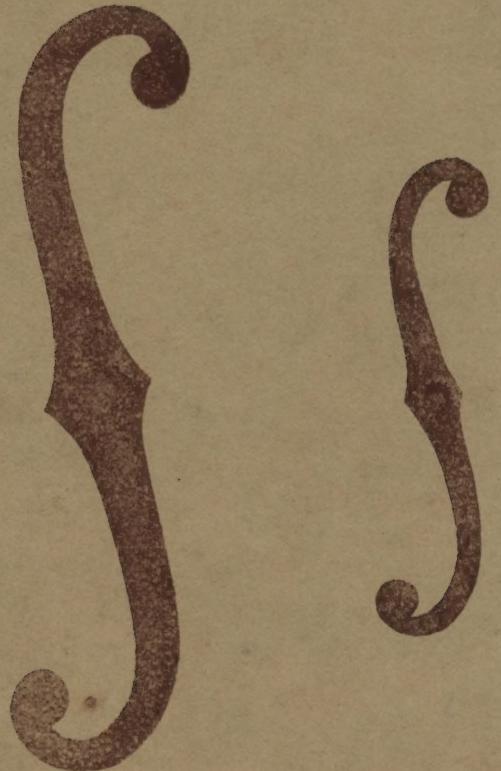
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Gerron S. Hite

West Texas Collection, Angelo State University, San Angelo, TX



ORNAMENTAL CHIMNEY
“S” Standard Sizes
22 inches and 36 inches
Prices upon request

P.-T. CO., ST. PAUL